

Network Systems Workshop

Annapolis, MD
November 2-5, 1998

First Circular

General Workshop Information

NASA Goddard Space Flight Center, through the Crustal Dynamics Data Information (CDDIS), an IGS Global Data Center, in conjunction with the IGS Central Bureau, will host the IGS Network Systems Workshop for three and one half days on November 2-5, 1998 in Annapolis, MD. The goals of this workshop include:

- developing a closer community within the IGS infrastructure
- strengthening communications within this community
- improving the performance of the network
- developing a shared vision of the future network
- preparing a proceedings targeted along the lines of an "IGS Network Operations Plan" that would document the network operations of the IGS and future plans

The IGS has been an operational service for nearly five years, providing GPS data and products from a globally distributed network of high precision GPS receivers. Since its inception, the IGS has not sponsored a workshop of this type, focusing on the network and infrastructure issues and how future plans for the IGS affect these components. This workshop will provide a venue for the various network components of the IGS to meet and discuss our current configurations, problems and their resolutions, how to incorporate the many future requirements into our existing infrastructure, and what new technologies are available that we should take advantage of.

Station operators and data center representatives are encouraged to bring poster paper presentations. Furthermore, network/station contacts attending the workshop will be requested to bring additional information such as the following:

- Photos and other information of the station
- Data flow template filled in for each subnetwork/station
- Logs and forms to be verified at the workshop either on web interface or hardcopy

More details on preparation of this material will be forthcoming in the near future. This information will be collected by the Central Bureau to use in the new, improved, web-based IGS Central Bureau Information System (CBIS).

Topics of the Workshop

- State of the IGS
- Future Requirements of the IGS
- Physical Site Specifications
- Communications and Data Links
- Network Performance and Upgrade Issues
- Data Center Performance
- Network Monitoring and Performance
- Central Bureau Information System Review and Recommendations

Conveners

Ruth Neilan, IGS Central Bureau, Jet Propulsion Laboratory, Pasadena, CA
Carey Noll, NASA GSFC, Greenbelt, MD

Program Committee

IGS Infrastructure Committee

Yehuda Bock, Scripps Institution of Oceanography, La Jolla, CA
Steve Fisher, Jet Propulsion Laboratory/UNAVCO, Boulder, CO
Werner Gurtner, Astronomical Institute of Berne, Switzerland
Jan Kouba, Natural Resources Canada
Ulf Lindqwister, Jet Propulsion Laboratory, Pasadena, CA
Chuck Meertens, University NAVSTAR Consortium, Boulder, CO
Ruth Neilan, IGS Central Bureau, Jet Propulsion Laboratory, Pasadena, CA
Carey Noll, NASA GSFC, Greenbelt, MD
Ludwig Combrinck, Hartebeesthoek Radio Observatory, South Africa
Loic Daniel, Institut Geographique National, France
Yuki Hatanaka, Geographical Survey Institute, Japan
Martin Hendy, Australian Survey and Land Information Group, Australia
Jan Johansson, Onsala Space Observatory, Sweden
Hans Peter Plag, Geodetic Institute, Norwegian Mapping Authority, Honefoss, Norway
Jim Ray, U.S. Naval Observatory, Washington, D.C.
Wolfgang Schlüter, Bundesamt für Kartographie und Geodäsie, Germany
Tim Springer, Astronomical Institute of Berne, Switzerland
James Zumberge, Jet Propulsion Laboratory, Pasadena, CA

Local Organizer

Carey Noll, NASA GSFC, Greenbelt, MD

Who Should Attend?

IGS station and network operators, data center contacts, interested representatives from the analysis centers, and the IGS community in general.

Schedule

The workshop will start mid-day, Monday November 02 and will continue through the afternoon of Thursday November 05. The conveners, Program Committee, and session chairs will meet on Friday November 06 to address actions raised during the workshop and discuss future plans and directions.

Workshop Venue

The workshop will be held in the Governor Calvert House, one of the Historic Inns of Annapolis. The Historic Inns, a series of three hotels in downtown Annapolis, will also provide lodging for the attendees of the workshop. Annapolis is an historic town as well as Maryland's capital and is situated on the Chesapeake Bay. Numerous restaurants, quaint shops, historic attractions, and waterfront are all within walking distance of the hotels. Annapolis is about 40 minutes from Baltimore, 45 minutes from Washington, D.C. and 20 minutes from NASA GSFC. A banquet and excursion to the Goddard Geophysical and Astronomical Observatory are planned.

A registration fee will be charged to cover meeting expenses, breaks, and special events.

Further Information

A web site has been developed to provide the latest information about the IGS Network Systems Workshop. This site will also provide registration and hotel information in the near future. The URL for the workshop web site is:

http://cddisa.gsfc.nasa.gov/igs_netws/netws_home.html.

Additional information will also be distributed through email and hardcopy in the near future.